

Title (en)
OPTICAL DISC DEVICE

Title (de)
OPTISCHE DATENTRÄGEREINRICHTUNG

Title (fr)
DISPOSITIF DE DISQUE OPTIQUE

Publication
EP 2073208 A4 20131023 (EN)

Application
EP 07829023 A 20071002

Priority
• JP 2007069283 W 20071002
• JP 2006272744 A 20061004

Abstract (en)
[origin: EP2073208A1] To provide a technique for managing a storage area such that if an error has occurred while data is being written, the data will not be written on a defective area where that error has occurred. An optical disc apparatus includes a defect determining section for determining, if an error has occurred on a storage area while data is being written there, the storage area to be a defective area and measuring the size of the defective area, and a defect management section for instructing where on the optical disc to assign a replacement area of the size that has been determined based on the measured one of the defective area in accordance with an instruction to write the data and how to manage the storage area such that no data will be written on the defective area anymore. And the optical disc apparatus continues to write the data on the replacement area that has been assigned.

IPC 8 full level
G11B 7/0037 (2006.01); **G11B 7/004** (2006.01); **G11B 7/0045** (2006.01); **G11B 20/10** (2006.01); **G11B 20/12** (2006.01); **G11B 20/18** (2006.01)

CPC (source: EP US)
G11B 7/00375 (2013.01 - EP US); **G11B 20/1883** (2013.01 - EP US); **G11B 2020/1893** (2013.01 - EP US); **G11B 2220/20** (2013.01 - EP US); **G11B 2220/2541** (2013.01 - EP US)

Citation (search report)
• [I] WO 2005112029 A1 20051124 - RICOH KK [JP], et al & EP 1748434 A1 20070131 - RICOH KK [JP]
• See references of WO 2008041700A1

Cited by
EP2088597A4; US8274870B2

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
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EP 07829023 A 20071002; JP 2007069283 W 20071002; JP 2008537533 A 20071002; US 44399007 A 20071002